CLAIMS

1. (Currently Amended) A method of power control, comprising:

determining whether a wide-band interference is above or below a threshold;

sending a feedback signal, enabling closed-loop power control in response to determining the [[a]] wide-band interference above the [[a]] threshold;

disabling the closed-loop power control and filtering narrowband interference in response to determining the wide-band interference is below the threshold; and

sending a power feedback signal indicating a power transmission level when the closed-loop power control is enabled.

2. (Currently Amended) The method of claim 1 further comprising:

disabling open-loop power control in response to determining the [[a]] wide-band interference above the threshold; and

enabling the open-loop power control in response to determining the wide-band interference is below the threshold.

3. (Original) The method of claim 1, wherein the power feedback signal is a power-up command indicating an increase in power transmission level.

4. (Original) The method of claim 1, wherein the power feedback signal is a power-down command indicating a decrease in power transmission level.

5. (Previously Presented) The method of claim 3, wherein the power feedback signal is a power-up command when a quality parameter is less than a target quality parameter.

6. (Previously Presented) The method of claim 4, wherein the power feedback signal is a power-down command when a quality parameter is greater than a target quality parameter.

7. Canceled

8. (Currently Amended) A wireless terminal, comprising:

means for enabling a feedback signal for closed-loop power control in response to determining a wide-band interference above a threshold;

means for disabling the closed-loop power control and enabling narrow-band interference filtering in response to determining the wide-band interference is below the threshold; and

means for sending a power feedback signal indicating a power transmission level when the closed-loop power control is established.

9. (Currently Amended) The wireless terminal of claim 8 further comprising:

means for disabling open-loop power control in response to determining the [[a]] wide-band interference above the threshold; and

means for enabling open-loop power control in response to determining the wide-band interference is below the threshold.

10. (Previously Presented) The wireless terminal of claim 8, wherein the power feedback signal is a power-up command when a quality parameter is less than a target quality parameter.

11. (Previously Presented) The wireless terminal of claim 8, wherein the power feedback signal is a power-down command when a quality parameter is greater than a target quality parameter.

12. (Currently Amended) A wireless terminal, comprising:

a receiver configured to determine a wide-band interference above a threshold and to filter narrow-band interference in response to determining the wide-band interference below the threshold;

a baseband processor configured to enable closed-loop power control in response to receiving a feedback signal detecting the wide-band interference, the baseband processor coupled to the receiver;

a transmitter configured to send a power feedback signal indicating a power transmission level when the closed-loop power control is enabled, the transmitter coupled to the baseband processor.

13. (Currently Amended) The wireless terminal of claim 12 wherein:

the baseband processor is configured to disable open-loop power control in response to detecting the wide-band interference above [[a]] the threshold; and

the baseband processor is configured to enable the open-loop power control in response to determining the wide-band interference is below the threshold.

14. (Previously Presented) The wireless terminal of claim 12, wherein the power feedback signal is a power-up command when a quality parameter is less than a target quality parameter.

15. (Previously Presented) The wireless terminal of claim 12, wherein the power feedback signal is a power-down command when a quality parameter is greater than a target quality parameter.

16. (Currently Amended) Computer readable medium embodying a program of instructions executable by a computer program for enabling a method of closed-loop power control, said instructions comprising:

a computer readable program code means for enabling the closed-loop power control in response to receiving a feedback signal determining a wide-band interference above [[the]] a threshold;

a computer readable program code means for disabling the closed-loop power control and filtering narrow-band interference in response to determining the wide-band interference is below the threshold; and

a computer readable program code means for sending a power feedback signal indicating a power transmission level when the closed-loop power control is established.

17. (Currently Amended) The instructions of claim 16 further comprising:

a computer readable program code means for disabling open-loop power control in response to determining [[a]] the wide-band interference above the threshold; and

a computer readable program code means for enabling the open-loop power control in response to determining the wide-band interference is below the threshold.

18. (Previously Presented) The instructions of claim 16, wherein the power feedback signal is a power-up command when a quality parameter is less than a target quality parameter.

19. (Previously Presented) The instructions of claim 16, wherein the power feedback signal is a power-down command when a quality parameter is greater than a target quality parameter.

20. (Currently Amended) A method of power control, comprising:

detecting an interferer;

determining whether the [[an]] interferer is a narrow-band interferer or a wide-band interferer, when the [[an]] interferer is detected;

enabling close-loop power control when the [[a]] wide-band interferer is determined; and,

disabling the close-loop control and filtering when the [[a]] narrow-band interferer is determined.

21. Canceled

22. (Currently Amended) The method of claim 20, further comprising:

disabling the close-loop power control and enabling open-loop power control, when the [[an]] interferer is not detected.